



42-00094

LONGWALL

UNITED STATES
DEPARTMENT OF LABOR
MINE SAFETY AND HEALTH ADMINISTRATION

District 9

COAL NONFATAL

REPORT OF INVESTIGATION
(UNDERGROUND COAL MINE)

NONINJURY COAL MINE (BOUNCE) ACCIDENT

Sunnyside Mine No. 2 (I.D. No. 42-00094)
Kaiser Coal Corporation of Sunnyside
Sunnyside, Carbon County, Utah

November 22, 1985

by

Jerry O.D. Lemon
Mine Safety and Health Specialist

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Originating Office - Mine Safety and Health Administration
P.O. Box 856, 215 East Main Street, Price, Utah 84501
Jensen L. Bishop, Subdistrict Manager

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Abstract of Investigation

U.S. Department of Labor
Mine Safety and Health Administration

Authority—This report is based on an investigation made pursuant to the Federal Mine Safety and Health Act of 1977, Public Law 95-173, as amended by Public Law 95-164.

Section A—Identification Data

1. Title of investigation:	2. Date MSHA investigation started:
Noninjury Coal Mine (Bounce) Accident	November 22, 1985
3. Report release date:	4. Mine:
February 3, 1986	Sunnyside Mine No. 2
5. Mine ID number:	6. Company:
42-00094	Kaiser Coal Company Sunnyside
7. Town, County, State:	8. Author(s):
Sunnyside, Carbon, Utah	Jerry O.D. Lemon

Section B—Mine Information

9. Daily production:	10. Surface employment:
350	0
11. Underground employment:	12. Name of coalbed:
6	Upper Sunnyside seam 4' to 8'
13. Thickness of coalbed:	Lower Sunnyside seam 5' to 12'
84 inches	

Section C—Last Quarter Injury Frequency Rate (HSAC) for:

14. Industry:	15. This operation:
9.21	55.70
16. Training program approved:	17. Mine Profile Rating:
4-11-79	880

Section D—Originating Office

18. Mine Safety and Health Administration Coal Mine Health and Safety District No. :	Address:
9	P.O. Box 856 Price, Utah 84501

Section E—Abstract

At approximately 7:30 a.m. on November 22, 1985, a severe bounce occurred in the water canyon dips in No. 2 Mine. The bounce affected roof, floor and ribs of four entries and connecting crosscuts, beginning at 16 right and extending inby to the faces of the water canyon dips section. Three Isuzu SV diesel pickup trucks with three men in each were traveling down this area in the No. 2 entry when the bounce occurred. The third pickup was pushed to the mine roof by the floor upheaval at a location approximately 200 feet inby 17 right entry. The cab of the truck was smashed down 6 to 8 inches. The three passengers were able to escape to safety. There were no injuries.

Section F—Mine Organization

Company officials:	Name	Address
19. President:	Charles S. McNeil	102 S. Tejon - Suite 800 Colorado Springs, CO 80903
20. Superintendent:	Frank Markosek	P.O. Box D Sunnyside, Utah 84539
21. Safety Director:	Jerry Howell	P.O. Box D Sunnyside, Utah 84539
22. Principle officer—H&S:	Charles W. McClothlin	P.O. Box D Sunnyside, Utah 84539
23. Labor Organization:	UMWA - District 22	P.O. Box 783 Price, Utah 84501
24. Chairman—H&S Committee:	David Maggio, President UMWA - Local 9958	P.O. Box 275 East Carbon City, Utah 84520

COMMENTARY

Friday, November 22, 1985, about 7:30 a.m., the 19 right longwall crew under the supervision of Dennis Lake, longwall foreman, entered the mine through the intake entry via three diesel Isuzu pickups. Dennis Lake,

water canyon main intake entry, the mine. Nick Martinez, and Ronnie Hughes were in the last pickup to enter the mine. The remainder crew was in the first two pickups to enter the mine. They arrived at the water canyon dip section without incident and proceeded to the 18 right longwall face. The third pickup encountered a severe bounce about 200 feet inby the 17th right entries. The pickup was pushed to the mine roof by 2½ foot of floor upheaval. All the windows were broken and the cab was smashed down to 8 inches. The three passengers were able to escape to safety without injuries.

All four entries to the water canyon dip section from 16 right down to the section faces were affected by the bounce. In No. 3 entry at the No. 2 crosscut a cave 20 feet wide by 25 feet long by 7 feet high was caused by the bounce. In No. 2 entry, about 5 feet inby survey station No. E-6924, another cave occurred which was 3 feet high by 20 feet wide by 30 feet long. All the roof bolts in this caved area had sheared off from the forces. The ribs in No. 3 belt entry from survey station No. 7538 to survey station No. 7437 a distance of 400 feet were blown out, and the floor had shifted and heaved about 2 feet. The ribs in No. 4 entry from the No. 1 to No. 3 outby stoppings were turned over and the floor had heaved about 2 feet. The No. 1 entry also showed rib deterioration and excessive floor heaving.

The accident was reported to Tony Gabossi, Acting Subdistrict Manager at 9:30 a.m. on November 22, 1985. MSHA personnel on the mine property at the time started the investigation immediately.

DISCUSSION AND EVALUATION

The investigation revealed the following factors relevant to the occurrence.

1. The coalbed in the water canyon dip section averaged about 7 feet in thickness. The immediate roof is a sandy shale.
2. The floor is soft sandy shale.
3. There is 2,000 foot of cover in this area.
4. There were also shearing forces involved as the roof bolts were sheared off in the No. 2 entry 5 feet inby survey station No. E-6924.
5. The bounce area is adjacent to the 18 right longwall section of Sunnyside

Mine No. 3 which has been advanced about 400 feet outby the stop line.

6. Prior to the start up of the 18th right longwall section, bouncing was not as severe in this area.

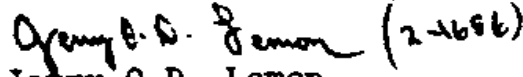
FINDINGS OF FACT

Evidence and findings of the investigation indicated there were violations of Title 30 CFR which contributed to the occurrence of the accident. Due to the presence of severe pressures and bouncing, a 107 (a) Order No. 2833934 dated November 22, 1985, was issued.

CONCLUSION

Probable cause of the bounce was due to the 2,000 plus feet of cover and the 18 right longwall section of Sunnyside Mine No. 3 which had extracted approximately 400 feet of coal adjacent to the dip section entries.

Respectfully submitted,

 (2-1686)
Jerry O.D. Lemon
MS&H Specialist

Approved:


Jensen L. Bishop
Subdistrict Manager

APPENDIX

The investigation was conducted by the Mine Safety and Health Administration and those persons furnishing information and/or present during the investigation were:

Kaiser Coal Corporation of Sunnyside Officials

Jerry Howell
Frank Markosek
Nick Martinez

Safety Director
Superintendent
General Mine Foreman

Mine Safety and Health Administration

Jerry O.D. Lemon
Ned Zamarripa

Mine Safety & Health Specialist (Roof Control)
Coal Mine Safety & Health Inspector

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